

**AMENDMENTS TO THE CLAIMS:**

The listing of claims will replace all prior versions, and listings of claims in the application:

**LISTING OF THE CLAIMS**

1. (Original) A multimodal polyethylene polymer comprising a low molecular weight ethylene homo-polymer fraction and a high molecular weight ethylene copolymer fraction, characterised in that wherein:

- the low molecular weight fraction is present in an amount of 45 to 55% by weight;
- the high molecular weight fraction is present in an amount of 45 to 55% by weight;
- the multimodal polymer has a  $MFR_5$  of greater than 0.10 g/10 min; and less than or equal to 0.22 g/10 min; and
- the multimodal polymer has a density of greater than or equal to 952 kg/m<sup>3</sup>.

2. (Original) A multimodal polyethylene polymer according to claim 1 wherein the low molecular weight fraction is present in an amount of 47 to 52% and the high molecular weight fraction in an amount of 48 to 53%.

3. (Previously Presented) A multimodal polyethylene polymer according to claim 1 wherein the polymer has a density of greater than or equal to 953 kg/m<sup>3</sup>.

4. (Currently Amended) A multimodal polyethylene polymer according to claim 1 wherein the polymer has a dynamic viscosity, at a shear stress of 2.7 kPa, of at least 300,000 Pa·s, ~~preferably 350000 Pa·s.~~

5. (Previously Presented) A multimodal polyethylene polymer according to claim 1 wherein the polymer has a shear thinning index of 70 or greater.

6. (Previously Presented) A multimodal polyethylene polymer according to claim 1 wherein the co-monomer of the high molecular weight ethylene copolymer is a C<sub>6</sub> to C<sub>12</sub> alpha-olefin.

7. (Original) A multimodal polyethylene polymer according to claim 6 wherein the co-monomer is a C<sub>8</sub> to C<sub>10</sub> alpha-olefin.

8. (Previously Presented) A multimodal polyethylene polymer according to claim 1, wherein the ethylene homo-polymer has a MFR<sub>2</sub> of about 300 to 2000 g/10 min.

9. (Canceled).

10. (Canceled).

11. (Previously Presented) In the method of forming a pipe or conduit from a polymeric material, the improvement comprising forming said pipe or conduit from the polymer composition of claim 1.

12. (Previously Presented) Pipe or conduit formed from the composition of claim 1.

13. (Previously Presented) A multimodal polyethylene polymer according to claim 2 wherein the polymer has a density of greater than or equal to 953 kg/m<sup>3</sup>.

14. (Currently Amended) A multimodal polyethylene polymer according to claim 2 wherein the polymer has a dynamic viscosity, at a shear stress of 2.7 kPa, of at least 300,000 Pa·s, ~~preferably 350000 Pa·s.~~

15. (Currently Amended) A multimodal polyethylene polymer according to claim 3 wherein the polymer has a dynamic viscosity, at a shear stress of 2.7 kPa, of at least 300,000 Pa·s, ~~preferably 350000 Pa·s.~~

16. (Previously Presented) A multimodal polyethylene polymer according to claim 2 wherein the polymer has a shear thinning index of 70 or greater.

17. (Previously Presented) A multimodal polyethylene polymer according to claim 3 wherein the polymer has a shear thinning index of 70 or greater.

18. (Previously Presented) A multimodal polyethylene polymer according to claim 4 wherein the polymer has a shear thinning index of 70 or greater.

19. (Previously Presented) A multimodal polyethylene polymer according to claim 1 wherein said shear thinning index is 100 or greater.

20. (Previously Presented) A multimodal polyethylene polymer according to claim 2 wherein the co-monomer of the high molecular weight ethylene copolymer is a C<sub>6</sub> to C<sub>12</sub> alpha-olefin.

21. (Previously Presented) A multimodal polyethylene polymer according to claim 3 wherein the co-monomer of the high molecular weight ethylene copolymer is a C<sub>6</sub> to C<sub>12</sub> alpha-olefin.

22. (Previously Presented) A multimodal polyethylene polymer according to claim 4 wherein the co-monomer of the high molecular weight ethylene copolymer is a C<sub>6</sub> to C<sub>12</sub> alpha-olefin.

23. (New) A multimodal polyethylene polymer comprising a low molecular weight ethylene homo-polymer fraction and a high molecular weight ethylene copolymer fraction, wherein:

(a) the low molecular weight fraction is present in an amount of 45 to 55% by weight, and has a weight average molecular weight of from about 5,000 to about 50,000 g/mol;

(b) the high molecular weight fraction is present in an amount of 45 to 55% by weight, and has a weight average molecular weight of from about 300,000 to 900,000 g/mol;

(c) the multimodal polymer has a  $MFR_5$  of greater than 0.10 g/10 min and less than or equal to 0.22 g/10 min; and

(d) the multimodal polymer has a density of greater than or equal to 952 kg/m<sup>3</sup>.